PATENT COOPERATION

Express Mail Label No: ED 798635044 US Attorney Docket No.: 101015-1P US

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From the INTERNATIONAL SEARCHING	AUTHORITY	PCT		
To: ASTRAZENECA Global Intellectual Property P O Box 272 Mereside, Macclesfield	ankom 23.SI	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION		
Cheshire SK10 4GR UNITED KINGDOM	DATA ENTERED FINAL CHECK	(PCT Rule 44.1)		
		Date of malling (day/month/year) 20/09/2004		
Applicant's or agent's file reference	· · · · · · · · · · · · · · · · · · ·			
101015-1 WO		FOR FURTHER ACTION See paragraphs 1 and 4 below		
International application No.		International filing date		
PCT/GB2004/001614		(day/month/year) 14/04/2004		
Applicant 2 4 SEP 2004				
1.				
acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the <i>PCT Applicant's Guide</i> , Volume II, National Chapters and the WIPO Internet site.				
Name and mailing address of the international S	-	Authorized officer		
European Patent Office, P.B. 5818 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 65 Fax: (+31-70) 340-3016		Josef Ullrich		

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international pulication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the International phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendmente will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (January 1994)

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

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		s file reference			OR FURTHER		noo Form PCT/ICA POO
1010181NY	ACTION as well as, where applicable, item 5 below.						
International	International Filippilication No. International filing date (day/month/year) (Earliest) Priority Date (day/month/year)						
	PCT/GB2004/001614 14/04/2004 16/04/2003					16/04/2003	
Applicant							
ASTRAZEN	ECA .	AB					
This interna according to	tional S Article	earch Report I 18. A copy is i	as been eing tra	prepa nsmitte	red by this International ad to the International I	al Searching Aut Bureau.	hority and is transmitted to the applicant
This Internat	tional S	earch Report o	onsists o	of a tota	al of5	sheets.	
X	It is	also accompa	nled by a	а сору	of each prior art docur	ment cited in this	report.
1. Basis of							
a. With lang	regard uage in	to the <mark>langua</mark> which it was fi	ge, the in led, unle	nternati ss othe	ional search was carrie erwise indicated under	ed out on the bas this item.	sis of the international application in the
		The intern	ational s	earch v	was carried out on the		ation of the international application furnished to
ь. Г	VA/IH	tris Author	ity (Hule	23.1(1	0)).		
	4410	rregard to arry	nucleo	ide an	id/or amino acid sequ	Jence disclosed	In the International application, see Box No. I.
2. X	Cer	tain claims we	ere foun	d unse	earchable (See Box II)		
3.	Uni	ty of invention	ls lacki	ng (se	e Box III).		
4. With rega	ard to th	ne title ,					
	the 1	text is approve	d as sub	mitted	by the applicant.		
X	X the text has been established by this Authority to read as follows: QUINAZOLINE DERIVATIVES FOR TREATMENT OF CANCER						
QUINA	ZOLI	NE DERIVA	TIVES	FOR	R TREATMENT OF	CANCER	·
					•		
5. With rega	ird to th	e abstract.		•			
X		•	as subr	nitted b	by the applicant.		
	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.						
6. With regar	rds to ti	he drawings,					
		-	be pub	lished	with the abstract is Fig	jure No	
_		as suggeste					
•	as selected by this Authority, because the applicant failed to suggest a figure.						
b. 🔲	as selected by this Authority, because this figure better characterizes the invention. b. none of the figures is to be published with the abstract.						

International Application No PCT/GB2004/001614

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 C07D403/12 A61K31/517 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Y	WO 02/00649 A (ASTRAZENECA) 3 January 2002 (2002-01-03) cited in the application	1-25
	page 1 - page 3; claims; examples	
Y	WO 01/21597 A (ASTRAZENECA) 29 March 2001 (2001-03-29) cited in the application page 1 - page 3; claims; examples	1-25
A	WO 95/15758 A (RHONE POULENC RORER) 15 June 1995 (1995-06-15) page 1 - page 3; claims; examples	1–25
	-/	

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.			
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report			
13 September 2004	20/09/2004			
Name and mailing address of the ISA	Authorized officer			
European Patent Office, P.B. 5818 Patentlaan 2 NL ~ 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Helps, I			

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International Application No PCT/GB2004/001614

Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Calegoly *	Oranion or coorniem, with indication, where appropriate, or the research passages	TION TOTAL (V OIGHT) 110.
A	H. KATAYAMA ET. AL.: "The Aurora Kinases. Role in cell transformation and Tumorigenesis." CANCER AND METASTASIS REVIEWS, vol. 22, 2003, pages 451-64, XP009022607 page 453, column 2 - page 461, column 1	1-25
A	D. MAHADEVAN ET. AL.: "Structure basede design of novel anti-cancer agents targetting aurora kinases" CURRENT MEDICINAL CHEMISTRY, ANTI CANCER AGENTS, vol. 3, 2003, pages 25-34, XP009022702 figure 5	1–25
Р,Ү	WO 03/055491 A (ASTRAZENECA) 10 July 2003 (2003-07-10) page 1 - page 3; claims; tables	1–25
Ε	WO 2004/058781 A (ASTRAZENECA) 15 July 2004 (2004-07-15) page 1 - page 3; claims; examples; tables	1-25
E	WO 2004/058752 A (ASTRAZENECA) 15 July 2004 (2004-07-15) page 1 - page 3; claims; examples	1-25
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International application No. PCT/GB2004/001614

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 23 because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 23 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
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3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable daims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

information on patent family members

International Application No
PCT/GB2004/001614

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0200649	Α	03-01-2002	AU	6650501 A	08-01-200
			BG	107376 A	30-09-200
			BR	0111754 A	29-04-200
		•	CA	2412592 A1	03-01-200
		•	CZ	20024120 A3	12-03-200
			EE	200200715 A	16-08-200
		•	EP	1299381 A1	09-04-200
			HU	0301236 A2	28-10-200
		•	JP	2004501914 T	22-01-200
			NO	20026010 A	13-12-200
			NZ	522696 A	27-08-200
			WO	0200649 A1	03-01-200
			SK	18102002 A3	01-07-200
			US	2003187002 A1	02-10-200
			ZA	200209412 A	19-02-200
WO 0121597	A	29-03-2001	AU	762697 B2	03-07-200
			AU BG	7301900 A	24-04-200
			BR	106526 A 0014137 A	31-10-2007 21-05-2007
		:	CA	2384296 A1	21-05-2007 29-03-2003
			CN	2384296 AT 1391563 T	29-03-200. 15-01-200:
			CZ	20021008 A3	12-06-2002
			EE	200200118 A	15-04-2003
			ĒΡ	1218355 A1	03-07-2002
			MO	0121597 A1	29-03-200
			HU	0300205 A2	28-05-2003
		:	JP	2003509500 T	11-03-2003
			NO	20021400 A	06-05-2002
			PL	354870 A1	08-03-2004
			SK	3872002 A3	03-12-2002
			TR	200200717 T2	21-06-2002
			ZA	200202232 A	19-06-2003
WO 9515758	Α	15-06-1995	US	5480883 A	02-01-1996
			US	5710158 A	20-01-1998
		•	AU	1305095 A	27-06-1995
			EP	0871448 A1	21-10-1998
			SG	54172 A1	16-11-1998
		t	WO	9515758 A1	15-06-1995
			US	5795889 A	18-08-1998
			US	5646153 A	08-07-1997
			US	5721237 A	24-02-1998
			US US	RE37650 E1 6645969 B1	09-04-2002
			US	2004014774 A1	11-11-2003 22-01-2004
			US	5714493 A	03-02-1998
		4	US	6057320 A	03-02-1998
			US	RE36256 E	20-07-1999
		10.07.000		ے سر سے سے سے سے سے شہ نہر ہیں بات کہ ساسا ٹ	
WO 03055491	Α	10-07-2003	CA WO	2471577 A1 03055491 A1	10-07-2003 10-07-2003
 WO 2004058781	Δ	15-07-2004			
	A		WO	2004058781 #1	15-07-2004
NO 2004058752	Α	15-07-2004	WO	2004058752 A1	15-07-2004

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